

Eat More Beef!

OVERVIEW

You are to design a custom chicken coop (living quarters for those egg laying friends) that can easily be constructed and replicated out on the school farm. The final project will consist of several parts pieced together in a keynote. This project will look like a mini portfolio. It is intended to be fun, let you use your creativity, explore design ideas, use of materials, consider cost, take into account labor, and above all, life and functionality of a finished project.



Parts to the Project

Ideas Collage

Conceptual Renderings (3)

Scaled Section Drawings (2)

Built Model

SketchUp Design

Materials List and Cost Estimation Sheet

Culminating Keynote Presentation

LIST OF SLIDE BREAKDOWN

Ideas Collage (15pts)

Use a Pages template to put together a collage of ideas that will assist you in your design. The more artistic the better.

Three Conceptual Renderings (30pts)

This is where you play with design ideas. Have fun with this portion of the project. Push the line of possible and plausible. You can always engineer a project down or back. These will be hand drawings in pencil or black ink. You may add color if you wish.

Two Scaled Section Drawings (30pts)

These drawing are scaled representations of two sides of the built structure you design. Accuracy is key in these drawings because they are used for construction purposes. Materials and functions can be called out in these drawings. The will be drawn at a $1/2"=1'-0"$ scale.

Built Model (30pts)

You will construct a scaled model using cardboard, illustration board, foam core, balsa, or any other material in which you feel comfortable using to construct a model. The model will be built at a $1"=1'-0"$ scale.

SketchUp Design (30 pts)

You will design and build the complete project in 3-D using SketchUp. This needs to be built to scale so the model could be used for building purposes.

Materials List and Cost Estimate Sheet (20pts)

Using templates I provide, put together a materials list and an accurate cost estimation so they can be used to shop with and build the projects.

Comprehensive Keynote (50pts)

This is a mini portfolio that will highlight all aspects of the project you put together. You will photograph, scan, or import all parts of the projects so it can be shared in its entirety in a Keynote.